Author Index

| Abe, M., | 275 |
|-----------|---------|
| Ando, S., | 153 |
| Ardehali, | R., 229 |

Bakás, L., 103 Ball, V., 81 Baquey, C., 205

Baszkin, A., 191 Boissonnade, M.-M., 191

Boury, F., 1, 241 Braide, M., 95 Brash, J.L., 59 Brouillaud, B., 205 Burke, E.M., 49

Caldwell, K.D., 229 Carvalho, L.B., Jr., 191

Chang, C.-H., 71 Chan, L., 11

Chatelier, R.C., 23, 37

Chen, C.-Y., 265 Chibowski, E., 175

Chimura, R., 153 Choi, S.-Y., 255

Chou, T.-C., 265

Chou, T.-H., 71 Coelho, L.C.B.B., 191

Colon, L., 49

Cornelius, R.M., 59 Correia, M.T.S., 191

Dungan, S.R., 117 Du, Y.J., 59

Foussard, F., 1

Grattarola, H., 205 Griesser, H.J., 23, 37 Guo, Y., 49

Hashizaki, K., 275

Hickey, A.J., 11 Hosaka, M., 167

Itoh, C., 275 Ivanova, T., 241

Jarrett, P., 11

Kamaga, Y., 153 Karlsson, C., 95 Kingshott, P., 23, 37

Lalor, C.B., 11 Lee, J.-S., 255 Lemkadem, B., 1 Lim, M.-Y., 265 Ling, T.-R., 265 Lin, X.-Z., 265

Makino, K., 153
Martin, M.A., 111
Matsuda, Y., 145, 153
McArthur, S.L., 23, 37
McLean, K.M., 23, 37
Miguens, F.C., 111
Misra, T.N., 139
Mitra, S., 117
Mogi, T., 153
Morisaki, H., 135
Mukherjee, K.M., 139

Nakajima, T., 153 Nanaumi, H., 167 Nancollas, G.H., 49 N'Kaoua, G., 205 Nygren, H., 95

Ogawa, N., 275 Ohfusa, T., 145 Oh, S.-G., 255 Ohshima, H., 153 Ohtake, N., 153 Otsuka, M., 145, 153

Panaiotov, I., 241 Peterson, R.V., 219 Pitt, W.G., 219 Porte-Durrieu, M.C., 205 Proust, J.E., 1, 241

Rahima, M., 49 Ramsden, J.J., 81 Redmon, M.P., 11 Ricci, D., 205 Rieumont, J., 111

Saito, Y., 275 Sakai, H., 275 Sakakibara, T., 167 Sanchez, R., 111 Santos-Magalhaes, N.S., 191 Saulnier, P., 1, 241 Shiesh, S.-C., 265 Shi, L., 229 St John, H.A.W., 37

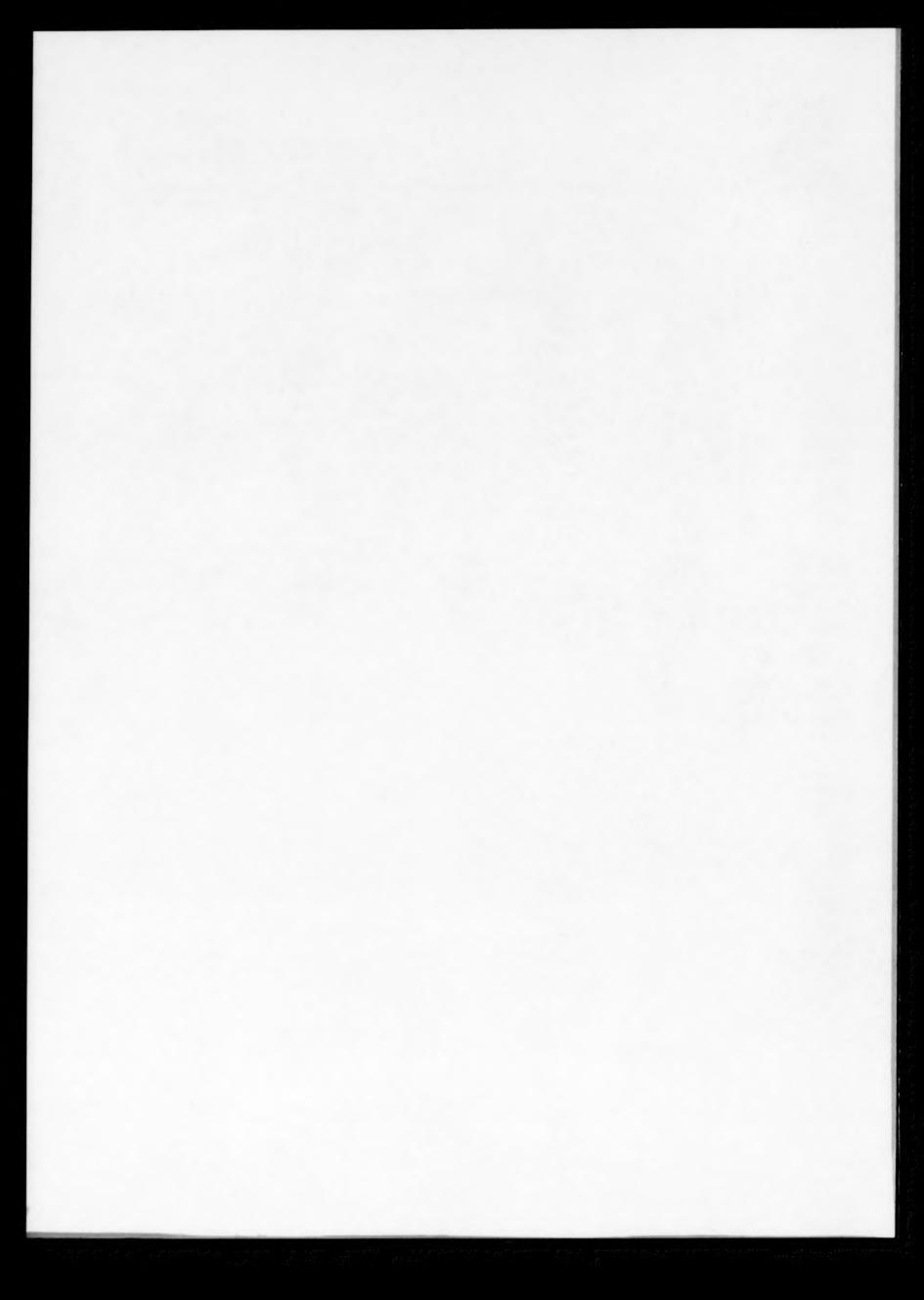
Taguchi, H., 275 Tajima, M., 167 Takahashi, K., 167 Takei, T., 167 Tsukamoto, T., 153

Uenodan, H., 153 Ueno, M., 167

Valint, P., 229 Veis, A., 49 Verger, R., 241

Wiącek, A., 175

Yokoyama, S., 275 Yoshida, M., 153



Subject Index

Adsorption, 1, 49, 81, 117, 191 Air/water interface, 71 Air-water interface, 191 Albumin, 37 Amphiphile, 117

Bacterial adhesion, 229 Bioabsorable hydrogels, 11 Biofilm infection, 219 Blood, 95

Carbamazepine, 145
Carboxymethyldextran, 37
Cell membrane, 255
Cellulose ethers, 95
CETP, 1
Cholelitholytic solvent, 265
Coagulation, 95
Contact angle, 229
Copperphthalocyanine, 139
Covalent binding, 23
Cratylia mollis, 191
Crystal growth, 49, 145

DDS, 153 Differential scanning calorimetry, 275 Dissolution of gallstone, 265

EDTA, 265 Effective diameter, 175 Electrostatic interactions, 241 Enzyme encapsulation, 103 Estradiol, 153 Ethanol, 175 Expansion, 255

F-A curve, 167
Fluorescence, 117
Follicle stimulating hormone, 111
Free iodide, 59
Freeze-drying, 103
Freeze-fracture electron microscopy, 275

Gel modulus, 11 Gentamicin transport, 219 Grafting, 205 Granulocyte, 95

Hen-egg white lysozyme, 81 High density lipoproteins, 1 Hydration, 145 Hydrolysis, 241 Hydroxypropylcellulose, 145 Hysteresis loop, 167

Immunoglobulin, 37 Implanted medical devices, 219 Infection, 219 Interface, 1

Kinetics, 49

Lactoferrin, 23, 37 Lipids, 1, 255 Liposomes, 103, 275 Local anesthetics, 255 Low-intensity ultrasound, 219 Lysine, 175 Lysozyme, 23, 37, 175

Macromers, 11
Maxwell model, 167
Medical applications, 11
Membrane surface properties, 103
Micelles, 11, 117
Microcapsules, 111
Microparticles, 111
Microphotolithography, 205
Mixed monolayer, 71
Molecular interaction, 71
Monolayer, 241, 255
Morphology, 111
MTBE, 265
Mucin, 229
Myoglobin, 23

Nonionic surfactant, 265 *n*-tetradecane emulsion, 175 Nucleation, 145

Octacalcium phosphate, 49 Optical waveguide lightmode spectroscopy, 81

Phase transition temperature, 275
pH dependence of surface aggregation, 81
Phosphatidylcholine, 191
Phospholipid monolayer, 191
Phospholipid with poly (ethylene glycol) chain, 275
Phosphophoryn, 49
Photon correlation spectroscopy, 175
Plasma polymer, 37
Polyaspartic acid, 49
Poly-(D,L-lactide), 241
Poly-3-hydroxybutyrate, 111
Poly (lactide-co-glycolide), 153
Polymorphic transformation, 145
Polysaccharide, 37
Protein adsorption, 23, 37, 205

Radiolabeled proteins, 59

Protein adsorption to metals, 59

Raman scattering, 139 Rearrangement, 191 Relaxation, 71

Silane, 205
Silica, 205
Silver colloids, 139
Solvent effect, 139
Surface elastic modulus, 167
Surface enhanced Raman spectrometry, 139
Surface hydrophobicity, 229
Surface-MALDI-MS, 23
Surface modification, 37
Surface pressure—area isotherm, 71
Surface protection, 229
Surface tension, 1
Surface viscosity, 167
Surfactant, 117

Trypsin, 23

XPS, 23

Zero-order release, 153 Zeta potentials, 175

